

# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 11/30/1999 09/452,043 TED F. RABENKO 36158/NEC/B6 9799 23363 7590 12/04/2003 **EXAMINER** CHRISTIE, PARKER & HALE, LLP YAO, KWANG BIN 350 WEST COLORADO BOULEVARD ART UNIT SUITE 500 PAPER NUMBER PASADENA, CA 91105 2667 DATE MAILED: 12/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provision of 37 CPR 1.35(d), in no event, however, may a righty be timely filled Extensions of time may be available under the provision of 37 CPR 1.35(d), in no event, however, may a righty be timely filled  It has period for righty specified above is listed than the first (30) days, a righty which the statutory predict in the mailing date of this communication.  Falsule to righty which the set or extended period for righty will, by statutory individually one of the mailing date of this communication.  Falsule to right which the set or extended period for righty will. by statutor, scale the application to become ARAHOONED (58 U.S.C. § 133).  Any righty increased by the Official extra than three moralisms after the mailing date of this communication.  Falsule to right which the set or extended period for righty will. by statutor, scale the application to become ARAHOONED (58 U.S.C. § 133).  Any righty increased by the Official extra than three products after the realizing date of this communication.  Any increased by the Official extra than the organization of the communication of the communication.  Status  This action is FINAL.  2b) This action is Increased by the communication of a contract of the communication.  Claim(s) 1-35,68-103 and 136 is/are pending in the application.  4a) Of the above claim(s) is care pending in the application.  4a) Of the above claim(s) is/are allowed.  Claim(s) 1-35,68-103 and 136 is/are rejected.  Claim(s) 1-35,68-103 an				
Examiner    Kwang B. Yao   2667		Application No.	Applicant(s)	
Name	Office Action Summary	09/452,043	RABENKO ET AL.	
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Each action of the may be evaluated under the povious of 37 CFR 1.13(6), in no event, however, may a reply be firrely filed seatoned from the period of the peri		Examiner	Art Unit	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Bateriations of time happy as available under the provisions of 37 CFR 1.35(a), in no event, however, may a reply be timely filed  - Bateriation of time happy as available under the provisions of 37 CFR 1.35(a), in no event, however, may a reply be timely filed  - Bateriation of reply specified above, the maximum statutory period vill apply and vill expire 30 K (b) MONTHS from the mailing date of this communication of the provision of the provision of the statutory uniform of thing (30) days will be considered timely  - If NO period for reply is specified above, the maximum statutory period vill apply and vill expire 30 K (b) MONTHS from the mailing date of this communication.  - Failure to reply within the set or examined period for reging with line statutory within the set or examined period for the provision of the set of this communication, even if knowly fleet, may reduce they assented period from period of the communication.  - Failure to reply specified above, the maximum statutory period vill apply and the provision of the set of the communication.  - Failure to reply specified above, the maximum statutory period vill apply and the provision of the set of the communication.  - Status  - Status  - Status  - This action is FINAL.  - 2b) This action is reply as a condition of reply and the set of the communication.  - Specification of the above claim (s) This action is non-final.  - Spince this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  - Disposition of Claims  - Application of the above claim (s) This star expired with from consideration.  - Spince this application is a specific and the set of the spince of the provision of the control of the set of the spince of the provision of the set of the spince of the provision of the set of the spince of		Kwang B. Yao	2667	
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Application/Control Number: 09/452,043 Page 2

- Art Unit: 2667

#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 1-4, 6, 8-14, 16-22, 25, 26, 28-29, 31, 32, 35-72, 74, 76-82, 84-90, 93, 94, 96, 97, 99, 100, 103, 136 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson (US 6,169,734) in view of Kondo et al. (US 5,130,985).

Wilson discloses an Internet phone set system comprising the following features: regarding claim 1, as depicted in Fig. 3, a microphone (132) coupled to provide voice data to a network, a speaker (130) configured to facilitate listening to voice data from the network, a dialing device (116) coupled to facilitate routing of voice data upon the network, first port (Fig. 2, REF 82) configured to facilitate communication with a first network device; second port (Fig.

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2, REF 86) configured to facilitate communication with a second network device. See column 3-6.

Regarding claim 2, Wilson discloses the following features: as depicted in Fig. 2, wherein the first port (82) is configured to facilitate communication of voice data packets with the first network device and the second port (86) is configured to facilitate communication of voice data packets with the second network device (90). See column 3-6.

Regarding claim 3, Wilson discloses the following features: wherein the microphone (Fig. 3, REF 132) and the speaker (Fig. 3, REF 130) at least partially define a handset (Fig. 2, REF 55). See column 3-6.

Regarding claim 4, Wilson discloses the following features: wherein the dialing device (Fig. 2, REF 50) comprises a keypad (Fig. 2, REF 65). See column 3-6.

Regarding claim 8, Wilson discloses the following features: in Fig. 3, a voice engine processor (118) in communication with the network switch, the voice engine processor (118) being configured to digitize and compress voice data from the microphone (132) and to decompress and perform digital to analog conversion upon voice data provided to the speaker (130). See column 3-6.

Regarding claim 9, Wilson discloses the following features: comprising a voice engine processor (118) in communication with the network switch, the voice engine processor being configured to digitize, compress and packetize voice data from the microphone (132) and to depacketize, decompress and perform digital to analog conversion upon voice data provided to the speaker (130). See column 3-6.

Regarding claim 12, Wilson discloses the following features: switch controller having at least one port (Fig. 2, REF 82) for facilitating electrical communication with a network; and a voice engine processor (Fig. 3, REF 118) in electrical communication with the switch controller, the voice processor having a microphone port (Fig. 3, REF 132) for facilitating electrical communication with a microphone and having a speaker port (Fig. 3, REF 130) or facilitating electrical communication with a speaker.

Regarding claim 14, wherein the switch controller is configured to route voice data packets over a network.

Regarding claim 16, wherein the switch controller is configured to route voice data packets over the Internet.

Regarding claim 20, Wilson discloses the following features: wherein the switch controller is configured to be compatible with Internet Protocol. See column 3-6.

Regarding claim 21, Wilson discloses the following features: wherein electrical communication between the switch controller and the voice engine processor (118) is facilitated via a media independent interface and a microprocessor interface. See column 3-6.

Regarding claim 22, Wilson discloses the following features: wherein the switch controller comprises two ports (80, 82) for facilitating communication with the network. See column 3-6.

Regarding claim 25, wherein the voice engine processor further comprises a keypad port (65) for facilitating communication with a keypad. See column 3-6.

Regarding claim 26, Wilson discloses the following features: wherein the voice engine processor (118) further comprises a display port (150) for facilitating communication with a display (71).

Regarding claim 28, Wilson discloses the following features: wherein the voice engine processor (118) is configured to compress voice communications.

Regarding claim 31, Wilson discloses the following features: wherein the voice engine processor is configured to provide a desired level of quality of service. See column 3-6.

Regarding claim 32, Wilson discloses the following features: wherein the voice engine processor is configured to provide signaling for voice traffic. See column 3-6.

Regarding claim 35, Wilson discloses the following features: a network telephone (Fig. 2, REF 50). See column 3-6.

Wilson does not disclose the following features: regarding claim 1, a prioritization circuit coupled to apply a first processing priority level to voice data provided by the microphone and a second processing priority level to non-voice data; regarding claim 6, wherein the prioritization circuit is defined by a network switch; regarding claim 8, wherein the prioritization circuit is defined by a network switch; regarding claim 9, the prioritization circuit is defined by a network switch; regarding claim 10, wherein the prioritization circuit is configured to tag voice data packets to facilitate prioritization thereof; regarding claim 11, wherein the prioritization circuit is configured to tag voice data packets to facilitate prioritization thereof and is configured to read tags on data packets provided thereto by the network to facilitate prioritization thereof; regarding claim 12, wherein the switch controller is configured to assign a first processing priority level to voice data and a second processing priority level to non-voice data; regarding claim 13, wherein

the switch controller applies a high processing priority level to voice packet to voice packets; regarding claim 15, wherein the switch controller is configured to apply prioritization to voice data packets and to route voice data packets over an Ethernet; regarding claim 17, wherein the switch controller is configured to apply a first processing priority level to voice data packets provided by the microphone and coupled to route the voice data packets over a network; regarding claim 18, wherein the switch controller is configured to tag voice data packets to facilitate assigning a first processing priority thereof; regarding claim 19, wherein the switch controller is configured to tag voice data packets to facilitate assigning a first processing priority thereof and is configured to read tags on data packets provided thereto by the network to facilitate prioritization thereof; regarding claim 29, wherein the voice engine processor is configured to compress voice communications using PCM compression; regarding claim 35, a prioritization circuit led o tag voice data packets with information representative of a priority thereof to ensure that the voice data packets are given a higher processing priority than non-voice packets and coupled to read tags associated with packets.

Kondo et al. discloses a speech packet communication system comprising the following features: regarding claim 1, depicted in Fig. 4, a prioritization circuit (46) coupled to apply a first processing priority level to voice data provided by the microphone and a second processing priority level to non-voice data, see column 9, lines 33-42; regarding claim 6, wherein the prioritization circuit (46) is defined by a network switch; regarding claim 8, wherein the prioritization circuit (46) is defined by a network switch; regarding claim 9, the prioritization circuit (46) is defined by a network switch; regarding claim 10, wherein the prioritization circuit (46) is configured to tag voice data packets (Fig. 10) to facilitate prioritization thereof; regarding

claim 11, wherein the prioritization circuit (46) is configured to tag voice data packets (Fig. 10) to facilitate prioritization thereof and is configured to read tags on data packets provided thereto by the network to facilitate prioritization thereof; regarding claim 12, wherein the switch controller is configured to assign a first processing priority level to voice data and a second processing priority level to non-voice data, see column 9, lines 33-42; regarding claim 13, wherein the switch controller applies a high processing priority level to voice packet to voice packets, see column 9, lines 33-42; regarding claim 17, wherein the switch controller is configured to apply a first processing priority level to voice data packets provided by the microphone and coupled to route the voice data packets over a network, see column 9, lines 33-42; regarding claim 18, wherein the switch controller is configured to tag voice data packets to facilitate assigning a first processing priority thereof, see column 9, lines 33-42; regarding claim 19, wherein the switch controller is configured to tag voice data packets to facilitate assigning a first processing priority thereof and is configured to read tags on data packets provided thereto by the network to facilitate prioritization thereof; regarding claim 29, wherein the voice engine processor is configured to compress voice communications using PCM compression; regarding claim 35, a prioritization circuit led o tag voice data packets with information representative of a priority thereof to ensure that the voice data packets are given a higher processing priority than non-voice packets and coupled to read tags associated with packets. See column 8-10.

Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to modify the system of Wilson, by using the features, as taught by Kondo et al., in order to provide a low probability that the speech signal will be absent continuously. See Kondo et al., column 2, lines 53-56.

Claims 36-72, 74, 76-82, 84-90, 93, 94, 96, 97, 99, 100, 103, 136 disclose the similar limitations as claims 1-4, 6, 8-14, 16-22, 25, 26, 28-29, 31, 32, 35; thus Claims 36-72, 74, 76-82, 84-90, 93, 94, 96, 97, 99, 100, 103, 136 are rejected by the same reasons above.

#### Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 6. Claims 5, 7, 15, 23, 24, 27, 33, 73, 75, 83, 91, 92, 95, 101 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson (US 6,169,734) in view of Kondo et al. (US 5,130,985) as applied to claims 1, 12, 69, 80 above, and further in view of Shankar et al. (US 6,570,869).

Wilson and Kondo et al. disclose the claimed limitations above. Wilson and Kondo et al. do not disclose the features of: regarding claim 5, the first port and the second port comprise

Ethernet 10/100 ports; regarding claim 7, wherein the prioritization circuit is defined by an Ethernet switch; regarding claim 15, wherein the switch controller is configured to route voice data packets over an Ethernet; regarding claim 23, wherein the switch controller comprises two Ethernet ports for facilitating communication with the network; regarding claim 24, wherein the switch controller comprises two 10/100 megabit/sec Ethernet ports for facilitating communication with the network; regarding claim 27, the switch controller is configure to be placed serially into a Ethernet transmission medium intermediate a network interface card and a switch; regarding claim 33; wherein the voice engine processor is configured to provide signaling for PBX voice traffic. (Emphasis added).

Shankar et al. discloses a communication system comprising the following features: regarding claim 5, in Fig. 2, the first port and the second port comprise **Ethernet** (218) 10/100 ports; regarding claim 7, wherein the prioritization circuit is defined by an **Ethernet** (218) switch; regarding claim 15, wherein the switch controller is configured to route voice data packets over an **Ethernet** (218); regarding claim 23, wherein the switch controller comprises two **Ethernet** (218) ports for facilitating communication with the network; regarding claim 24, wherein the switch controller comprises two 10/100 megabit/sec **Ethernet** (218) ports for facilitating communication with the network; regarding claim 27, the switch controller is configure to be placed serially into a **Ethernet** (218) transmission medium intermediate a network interface card and a switch; regarding claim 33; wherein the voice engine processor is configured to provide **signaling for PBX** (Fig. 1, REF 100) voice traffic. (Emphasis added). See column 4, lines 40-44; column 7, lines 19-59. Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to modify the system of Wilson and

Kondo et al., by using the features, as taught by Shankar et al., in order to provide a flexible solution for integrating with legacy systems. See Shankar et al., column 2, lines 53-55.

Claims 73, 75, 83, 91, 92, 95, 101 discloses the same limitations as claims 5, 7, 23, 24, 27, 33; thus Claims 73, 75, 83, 91, 92, 95, 101 are rejected by the same reasons above.

7. Claims 30, 34, 98, 102 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson (US 6,169,734) in view of Kondo et al. (US 5,130,985) as applied to claims 12, 80 above, and further in view of Verthein et al. (US 6,487,196).

Wilson and Kondo et al. disclose the claimed limitations above. Wilson and Kondo et al. do not disclose the features of: regarding claim 30, wherein the voice engine processor is configured to suppress silence; regarding claim 34, wherein the voice engine processor is configured to provide echo control; regarding claim 98, wherein the voice engine processor is configured to suppress silence; regarding claim 102, wherein the voice engine processor is configured to provide echo control. Verthein et al. discloses a communication system comprising the following features: regarding claim 30, wherein the voice engine processor is configured to suppress silence; regarding claim 34, wherein the voice engine processor is configured to provide echo control; regarding claim 98, wherein the voice engine processor is configured to suppress silence; regarding claim 102, wherein the voice engine processor is configured to provide echo control. See column 16, lines 23-25 and 60-64. Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to modify the system of Wilson and Kondo et al., by using the features, as taught by Verthein et al., in order to provide a better voice quality. See column 3, lines 1-19.

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## Response to Arguments

8. Applicant's arguments filed 9/22/03 have been fully considered but they are not persuasive.

On page 16, regarding claim 1, Applicant argues that Kondo et al. does not disclose the claimed limitations of applying a first processing priority level to voice data provided by the microphone and a second processing priority to non-voice data. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

On page 17, first paragraph, regarding claim 12, Applicant argues that Kondo et al. does not disclose the claimed limitations of wherein the switch controller is configured to assign a first processing priority level to voice data and a second processing priority level to non-voice data. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

On page 17, third and fourth paragraph, regarding claim 35, Applicant argues that Kondo et al. does not disclose the claimed limitations of: a prioritization circuit led o tag voice data

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packets with information representative of a priority thereof to ensure that the voice data packets are given a higher processing priority than non-voice packets and coupled to read tags associated with packets. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

On page 18, first and second paragraph, regarding claim 68, Applicant argues that Kondo et al. does not disclose the claimed limitations of: network switch coupled to assign a first priority level to voice packets and a second priority level to non-voice packets. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

On page 18, third paragraph, regarding claim 69, Applicant argues that Kondo et al. does not disclose the claimed limitations of: prioritizing voice data provided by microphone over non-voice data. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-

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42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

On page 19, first and second paragraph, regarding claim 80, Applicant argues that Kondo et al. does not disclose the claimed limitations of: using a switch controller having at least one port to facilitate electrical communication with a network, wherein the switch controller is configured to prioritize processing of voice packets over non-voice packets. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

On page 19, third and fourth paragraph, regarding claim 103, Applicant argues that Kondo et al. does not disclose the claimed limitations of: tagging voice packets with information representative of a priority thereof to ensure the tagged voice packets are give a higher processing priority than non-voice packets. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

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On page 20, first and second paragraph, regarding claim 136, Applicant argues that Kondo et al. does not disclose the claimed limitations of: applying a higher prioritization to voice packets than non-voice packets to ensure that the voice packets are given a higher processing priority than the non-voice packets. Examiner respectfully disagrees with these arguments. Kondo et al. discloses that logic of priority assignment unit 46 in Fig. 6A assigns a high priority "0" to speech data (claimed voice data), a low priority "1" to silence data (claimed non-voice data), see column 9, lines 33-42. Therefore, it is believed that Kondo et al. does disclose the argued features; and it is maintained that the combined reference of Wilson and Kondo et al. would have been obvious to achieve the claimed invention.

#### Conclusion

9. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang B. Yao whose telephone number is 703-308-7583. The examiner can normally be reached on M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H Pham can be reached on 703-305-4378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

KWANG BIN YAO PRIMARY EXAMINER

12/12/1/1/

Kwang B/Yao

December 2, 2003